

**EMERGENCY VEHICLE TECHNICIAN  
STUDY GUIDE**

A written examination for the class of **EMERGENCY VEHICLE TECHNICIAN** to be administered in **SHREVEPORT** on **OCTOBER 18, 2016**, will consist of approximately **100** multiple-choice questions. The examination will test your knowledge in the following subject areas:

<b>SUBJECT AREA/KNOWLEDGE</b>	<b>APPROXIMATE % OF EXAM</b>
<b>SUSPENSION AND BRAKE SYSTEMS</b>  Knowledge of brake and suspension systems sufficient to perform maintenance, make repairs, or adjust the systems when needed.	6.0%
<b>COOLING SYSTEMS</b>  Knowledge of cooling systems sufficient to perform maintenance and repair when needed.	16.0%
<b>DRIVE TRAIN/LUBRICATING/ELECTRICAL/EMISSION/FUEL SYSTEMS</b>  Knowledge of drive train, lubricating, electrical, emissions, and fuel systems sufficient to perform maintenance, repairs or adjustments to the system when needed.	16.0%
<b>ENGINE MECHANICS</b>  Knowledge of gasoline and diesel engines sufficient to perform diagnosis of mechanical problems and to perform maintenance and repair.	6.0%
<b>GENERAL AUTOMOTIVE MAINTENANCE, REPAIRS, INSTRUMENTS AND TOOLS</b>  Knowledge of general automotive equipment sufficient to troubleshoot, diagnose and repair malfunctioning components, including the use and care of instruments and tools.	22.0%

SUBJECT AREA/KNOWLEDGE	APPROXIMATE % OF EXAM
<b>INSPECTION, MAINTENANCE &amp; REPAIR OF PORTABLE EQUIPMENT</b>  Knowledge of portable equipment, tools and accessories commonly carried on fire apparatus sufficient to inspect, to perform maintenance and repairs , including water towers, pumps, fire hose and hose coupling, lighting equipment, speedometer, tachometer, windshield wipers, portable generator, power saws, lawn mowers, edgers, and verify that equipment is tested and meets applicable standards.	16.0%
<b>MANAGING EQUIPMENT/ PROPERTY/SUPPLIES</b>  Knowledge of the management and control of inventory, and the inspection of equipment, including assuring that repairs were properly accomplished.	12.0%
<b>RECORDS/REPORTS</b>  Knowledge of effective report preparation procedures, including the ability to compose complete sentences, use correct grammar and punctuation, organize ideas in a logical sequence, and complete forms and records as required.	6.0%

### REFERENCE LIST

While the entire list of reference material will be useful to you in your preparation for the upcoming examination, the **majority** of test questions are sourced from those references listed under the Primary List.

### PRIMARY REFERENCE MATERIAL

**MODERN AUTOMOTIVE TECHNOLOGY, James E. Duffy, The Goodheart-Willcox Co., Inc., 2014.**

The local civil service board should make this study guide available to all applicants in whatever manner the board deems appropriate.

While there are no provisions requiring this office to provide study guides for any competitive or promotional examinations, such material will be provided as a service to assist applicants in preparing for an examination. The State Examiner's office has no control whatsoever over the local availability of reference material (mentioned in the study guides), nor do we feel constrained to limit

examination questions to only that material which is available locally. Examination content, weighting of subject areas, and length of examination, may vary with each administration of an examination to reflect any updated job analysis information. Percentages and numerical estimations are provided as approximations.